

# Transfer Function 6000 feet 26 AWG telephone cable

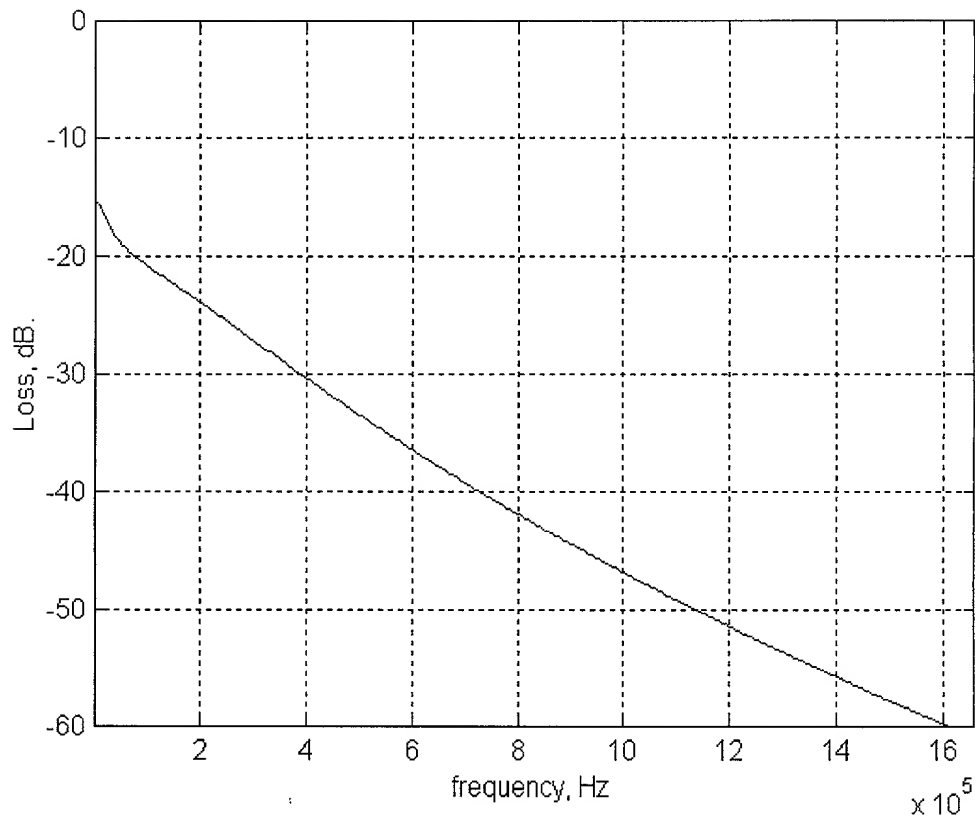


FIG. 1

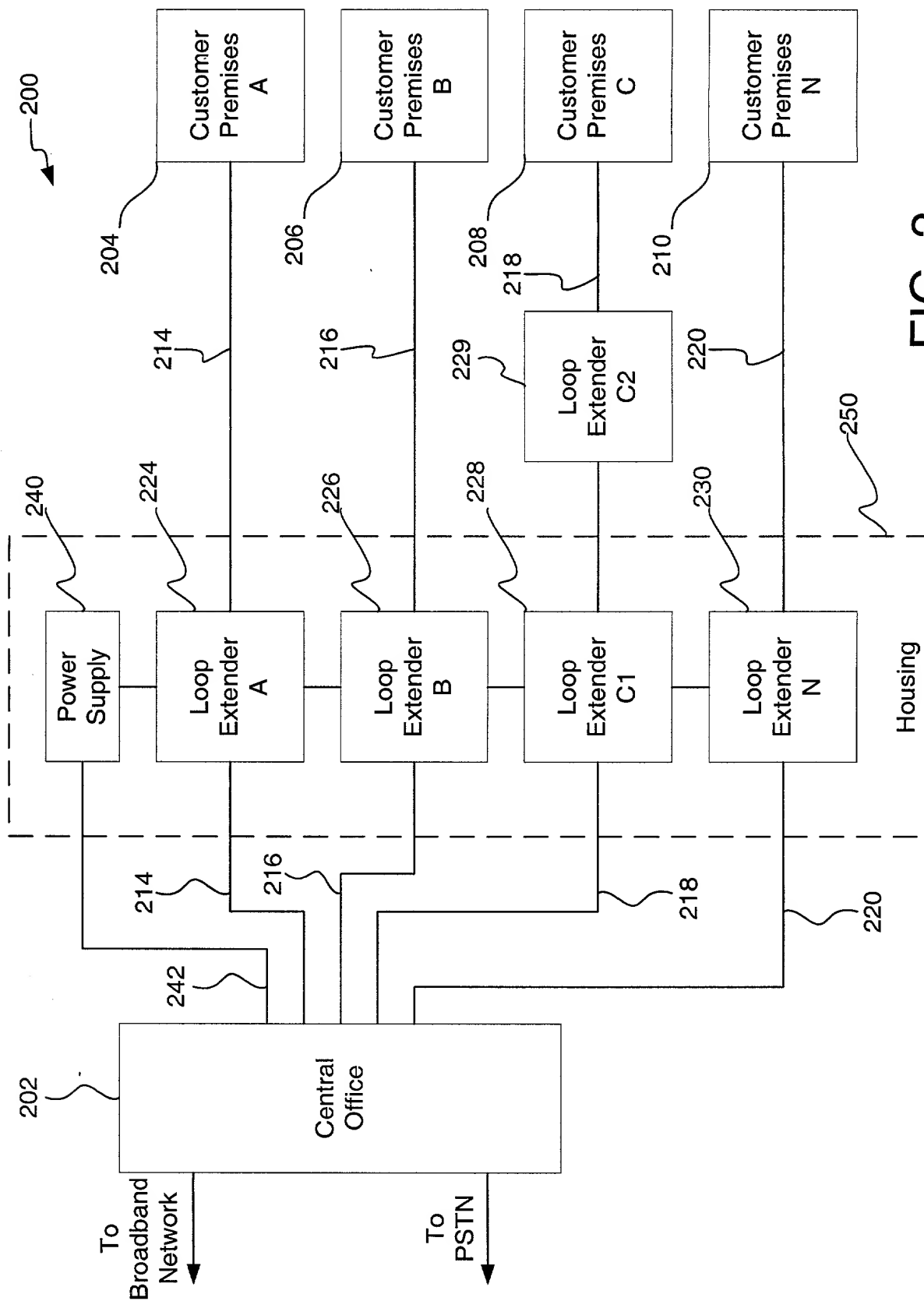


FIG. 2

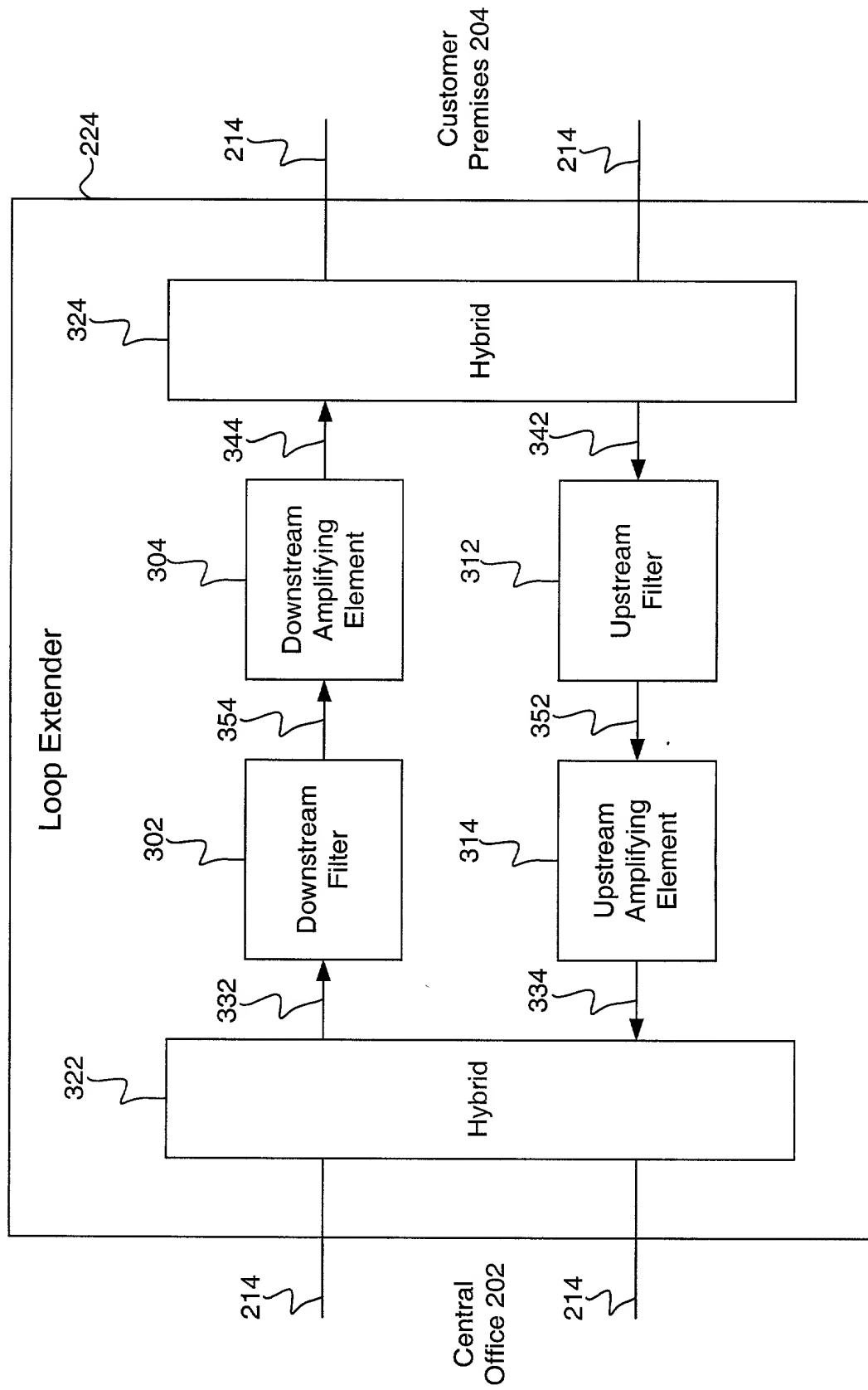


FIG. 3

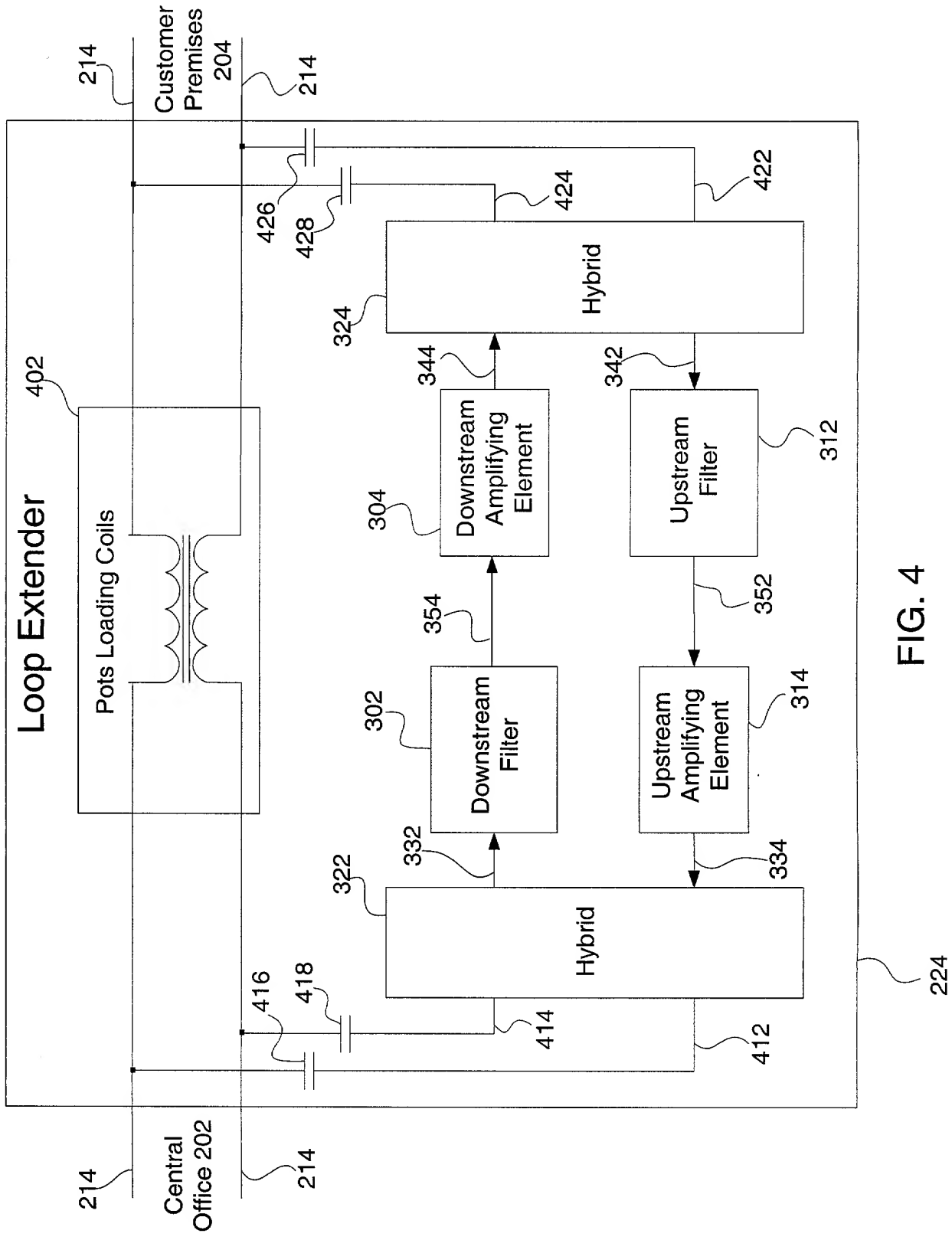


FIG. 4

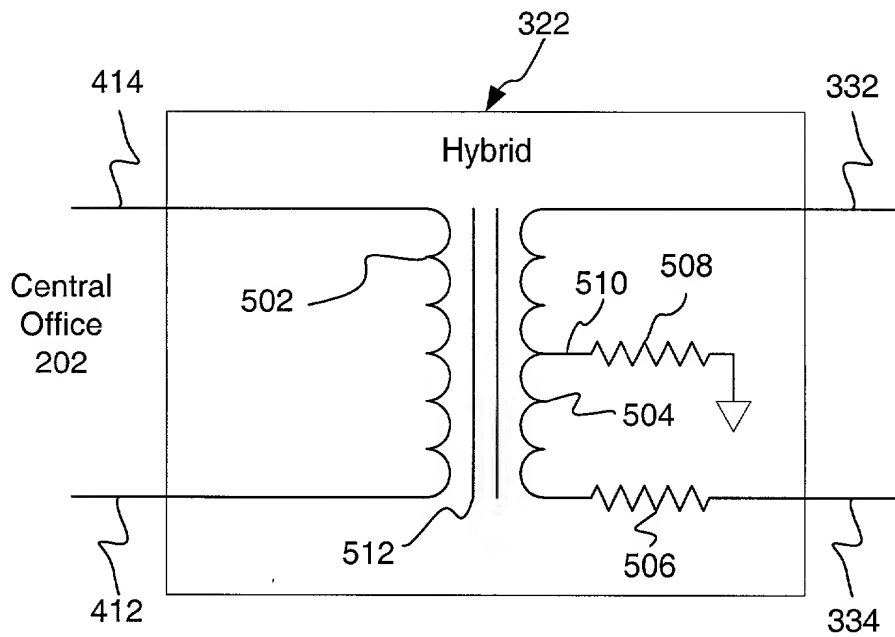


FIG. 5

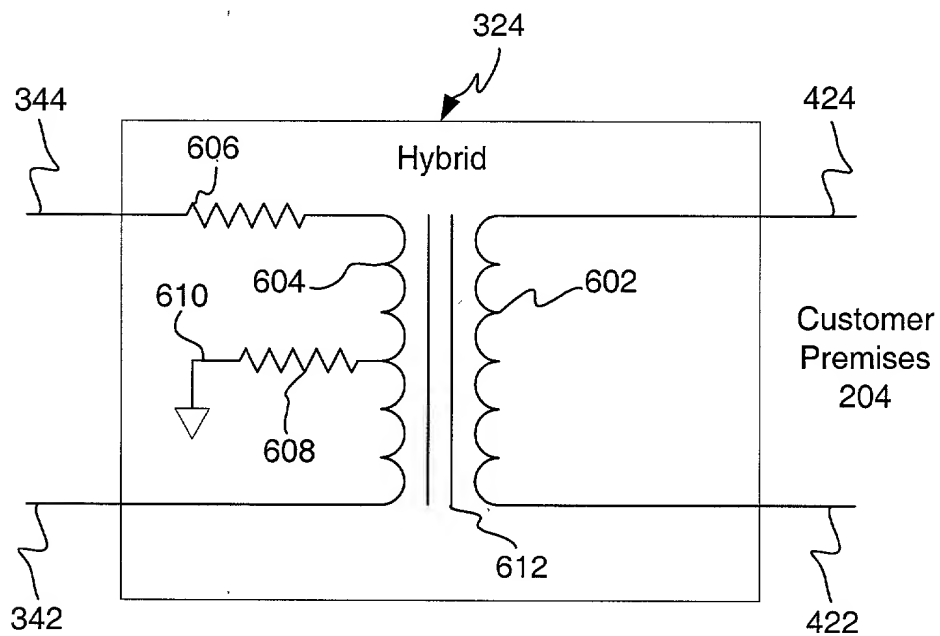


FIG. 6

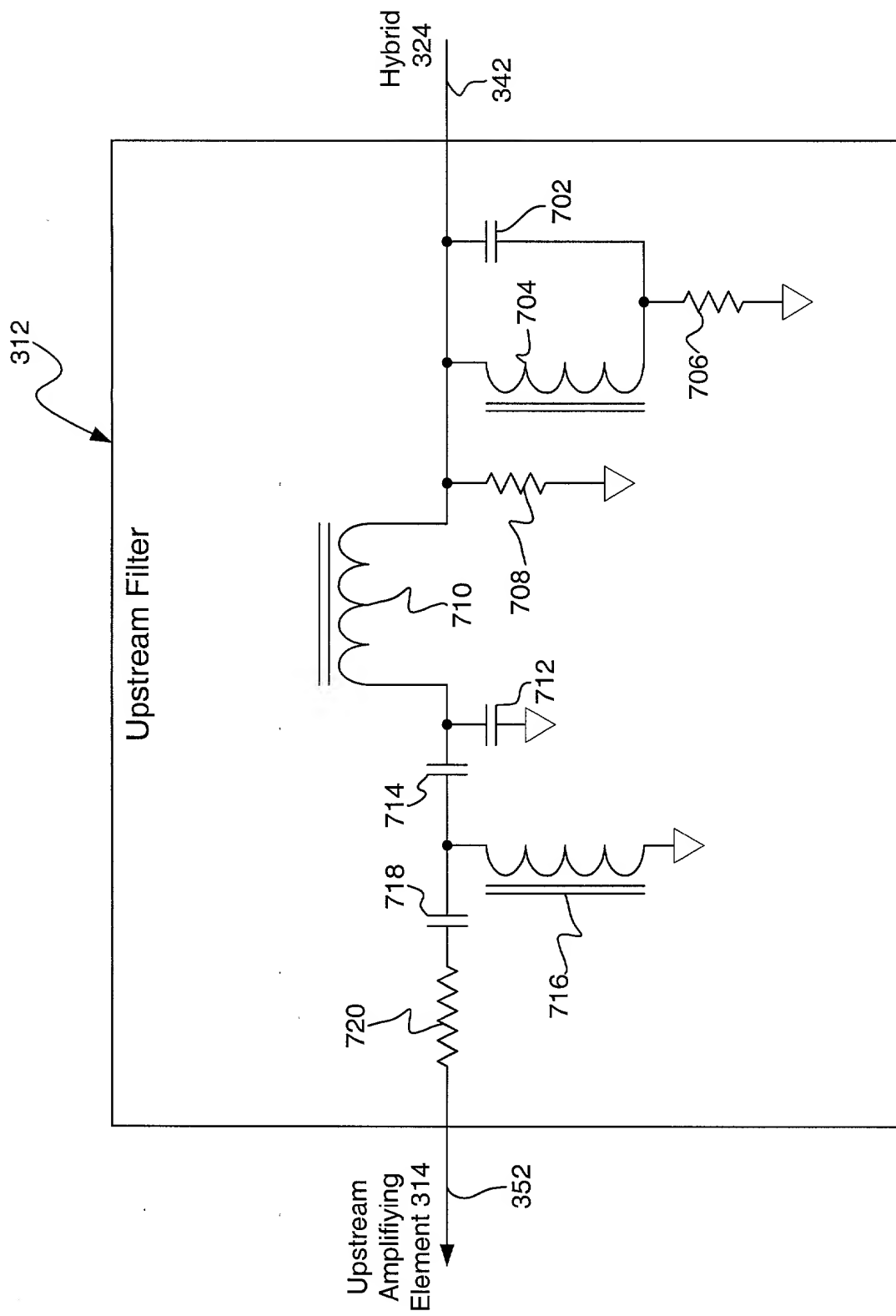


FIG. 7

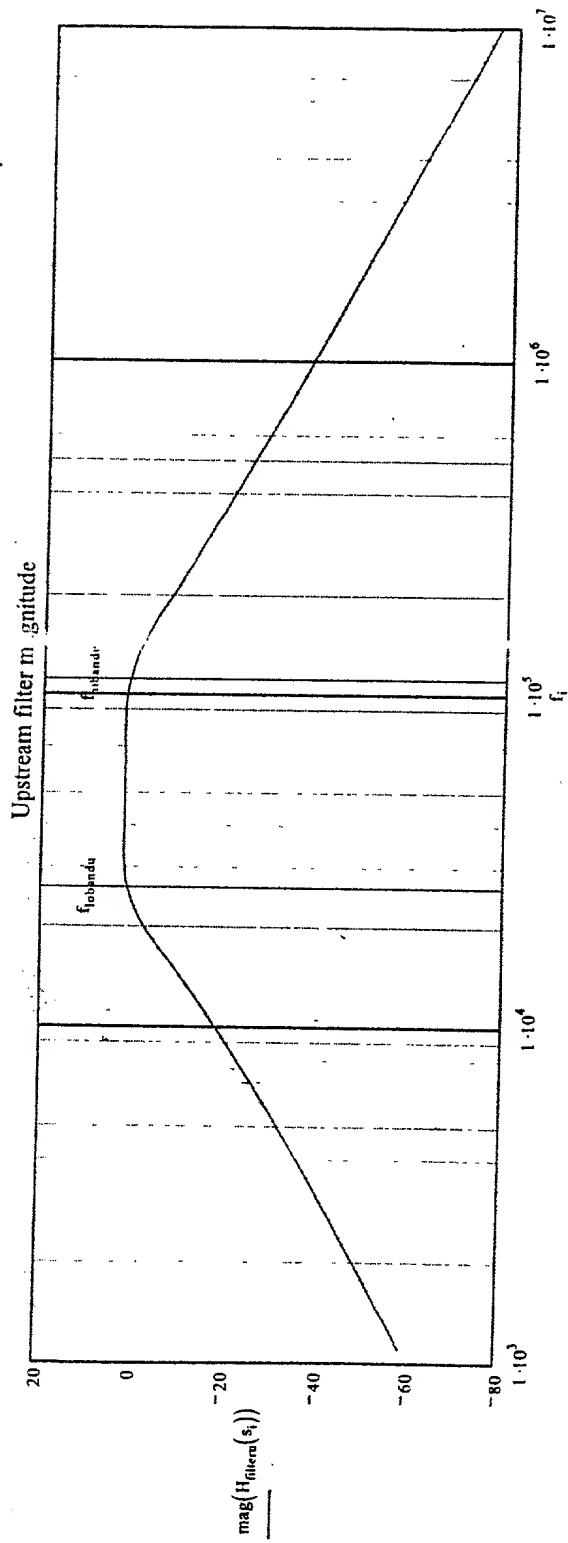


FIG. 8

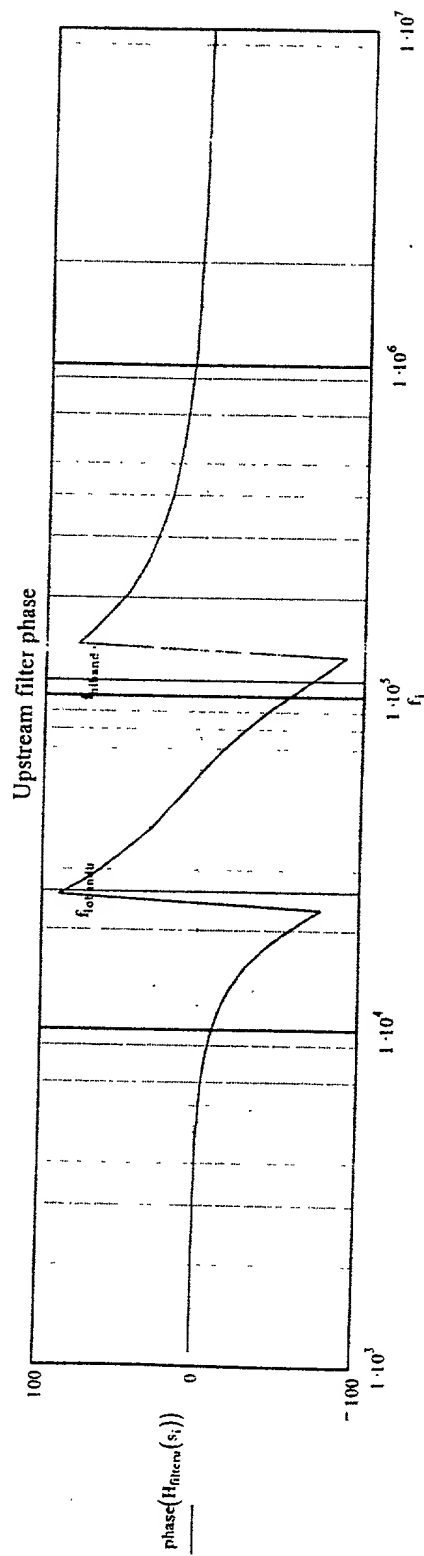


FIG. 9

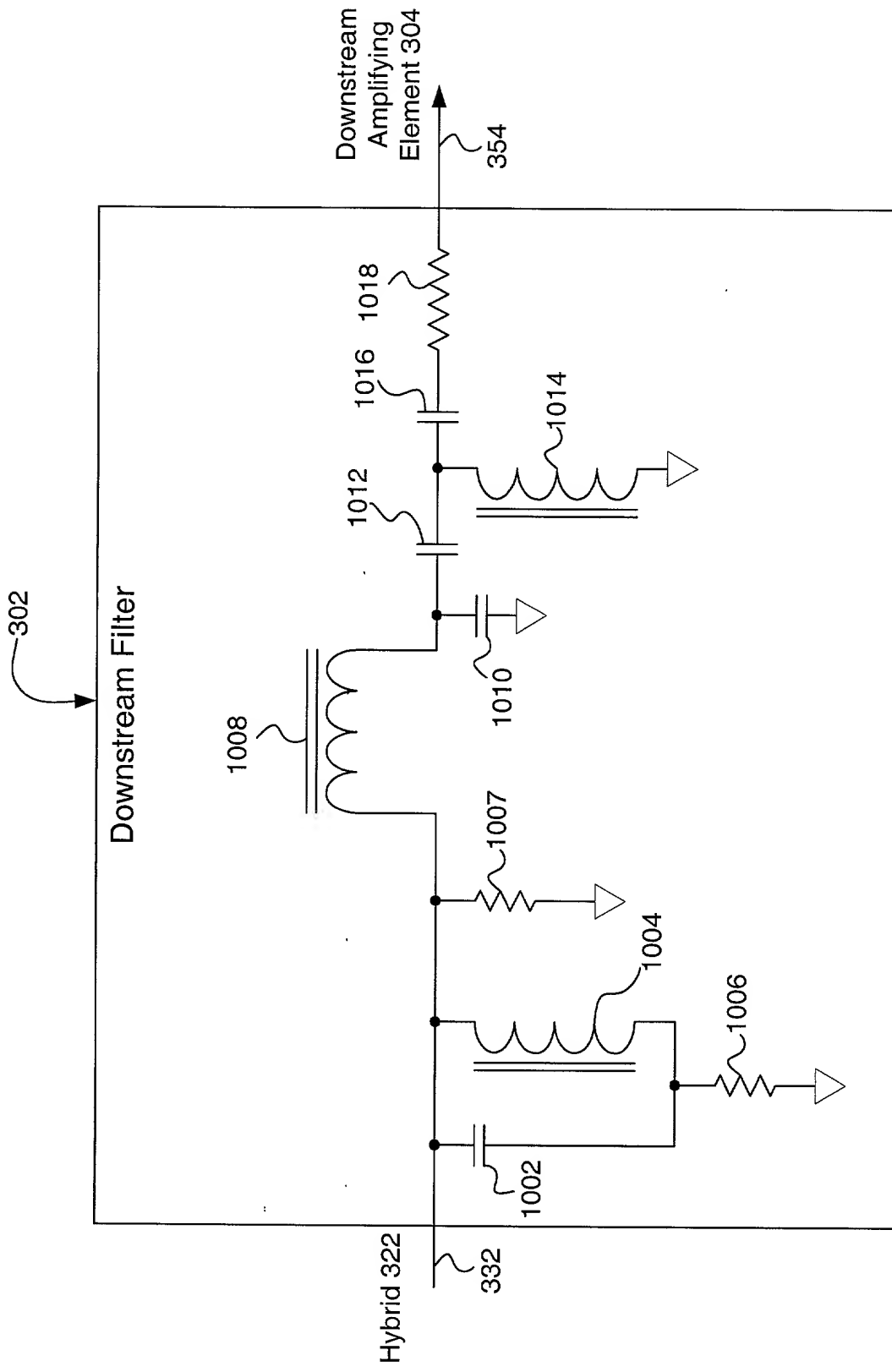


FIG. 10



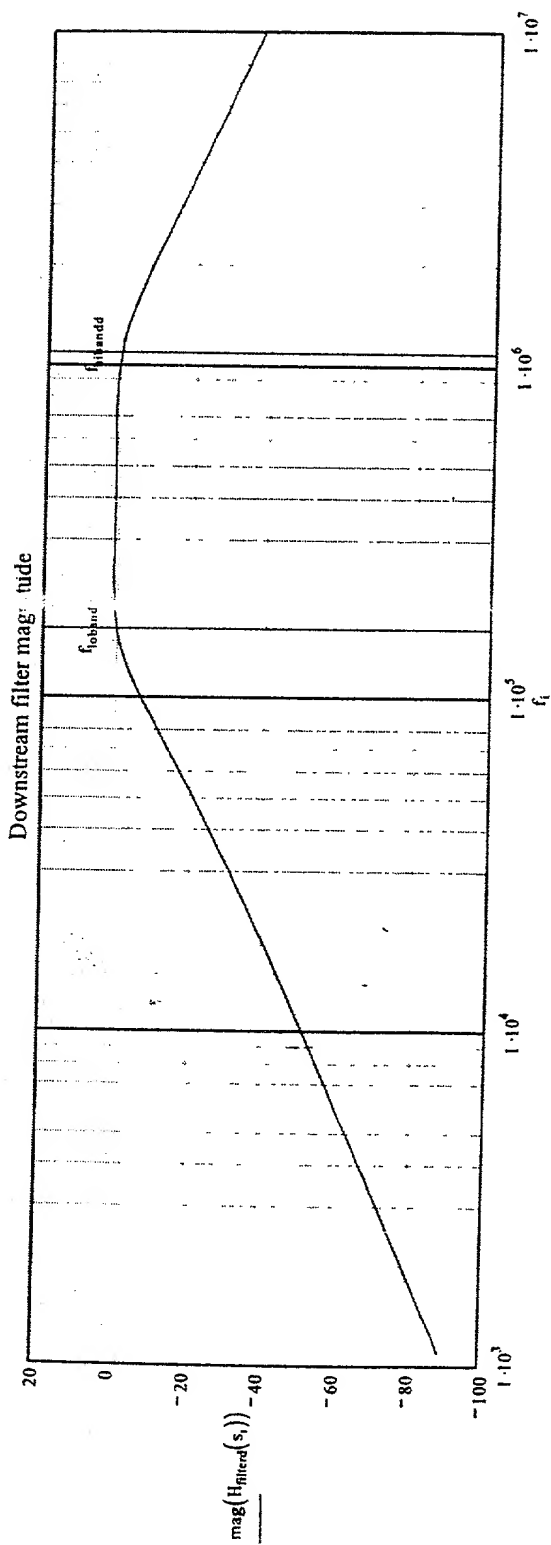


FIG. 11

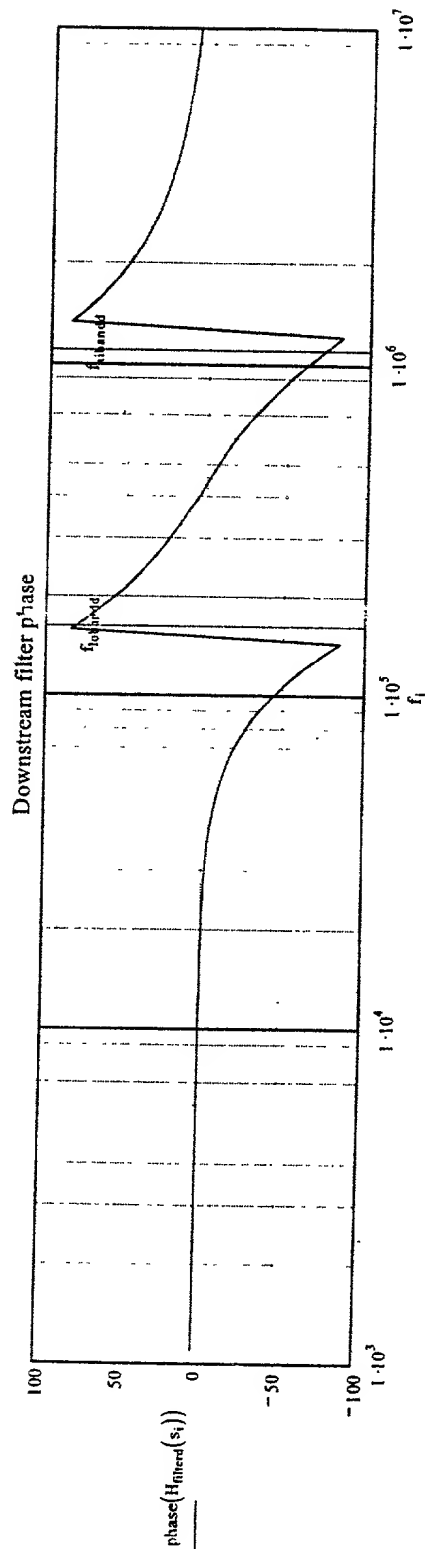


FIG. 12

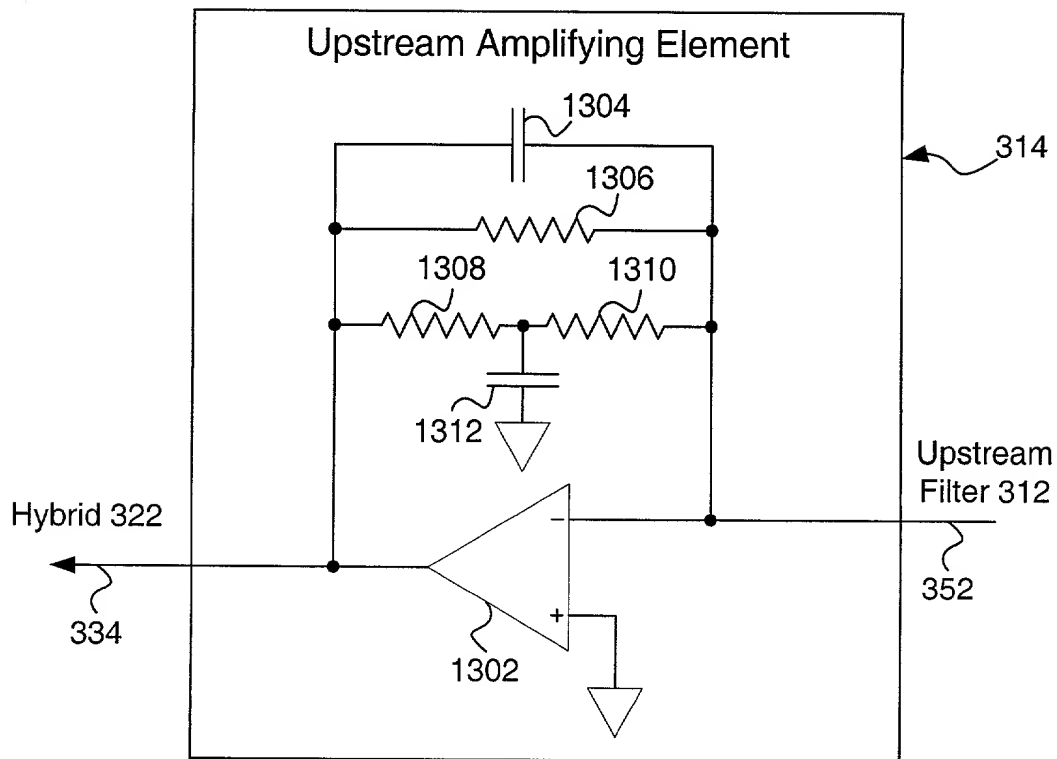


FIG. 13

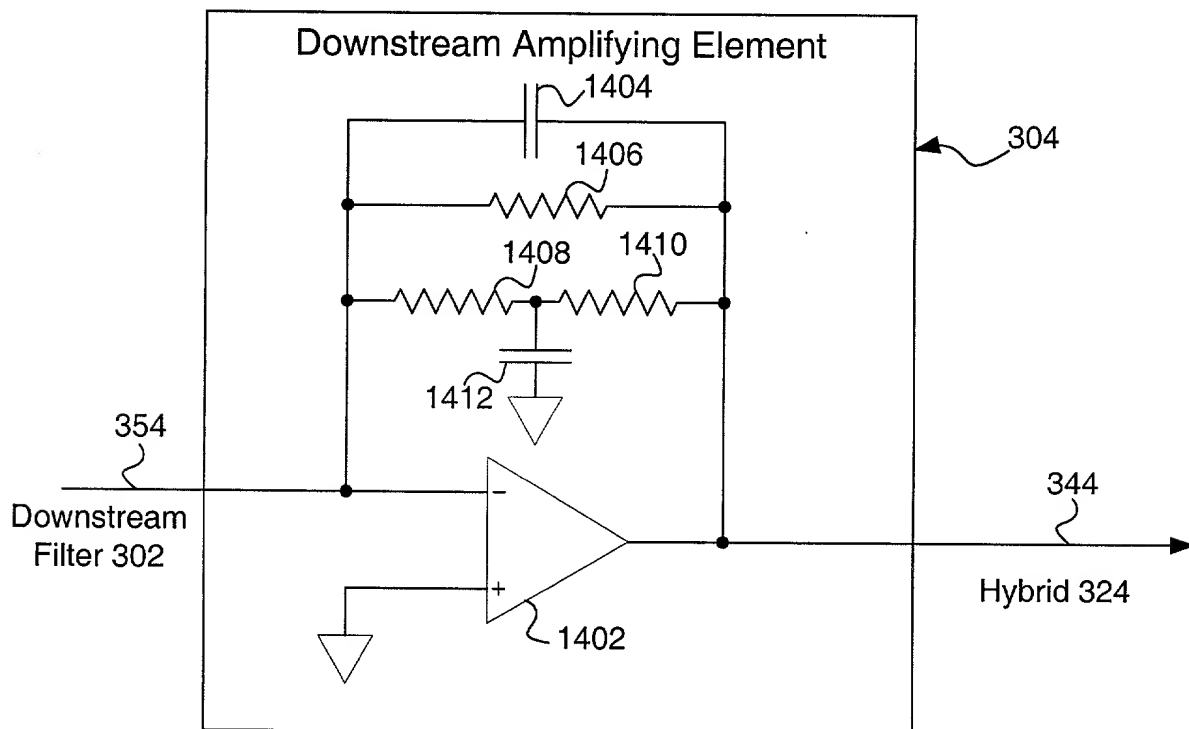


FIG. 14

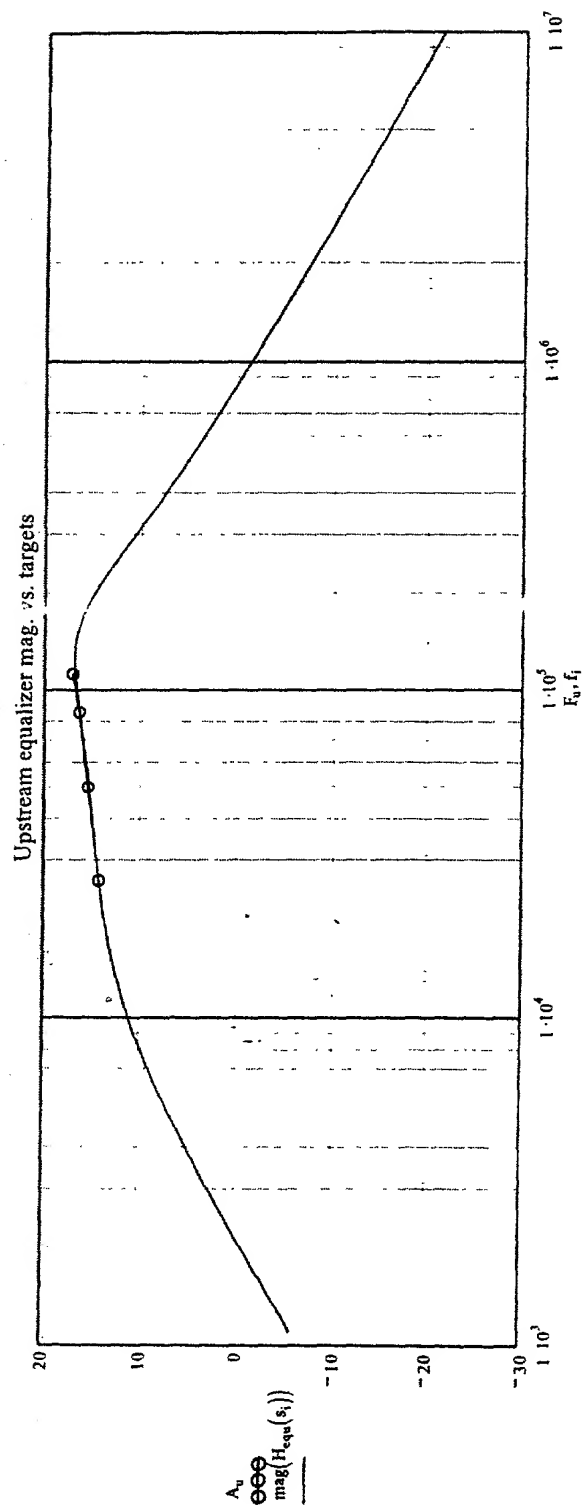


FIG. 15

Upstream equalizer phase

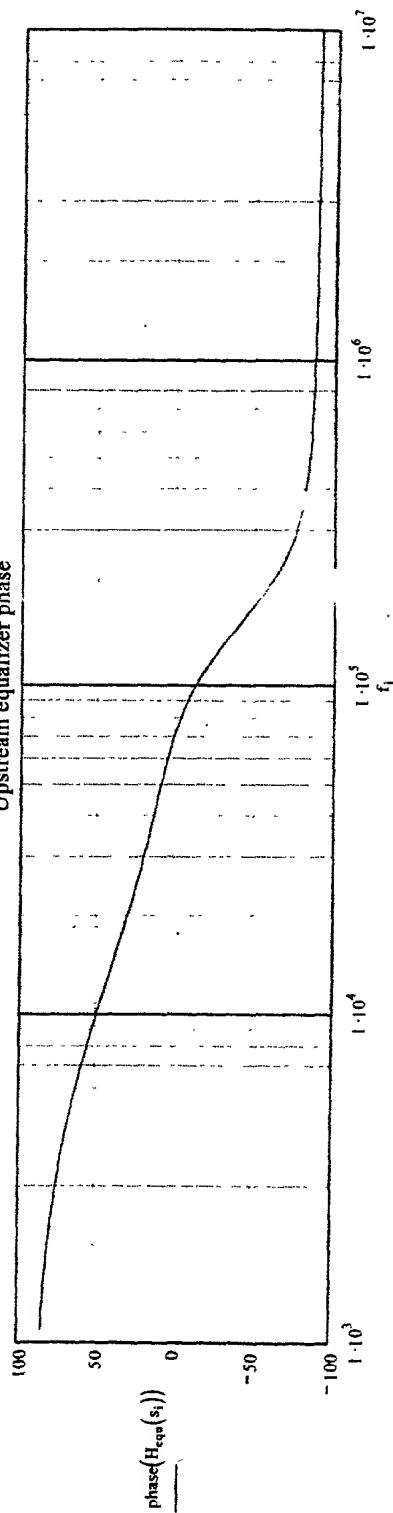


FIG. 16

# Downstream Equalizer

FIG. 17

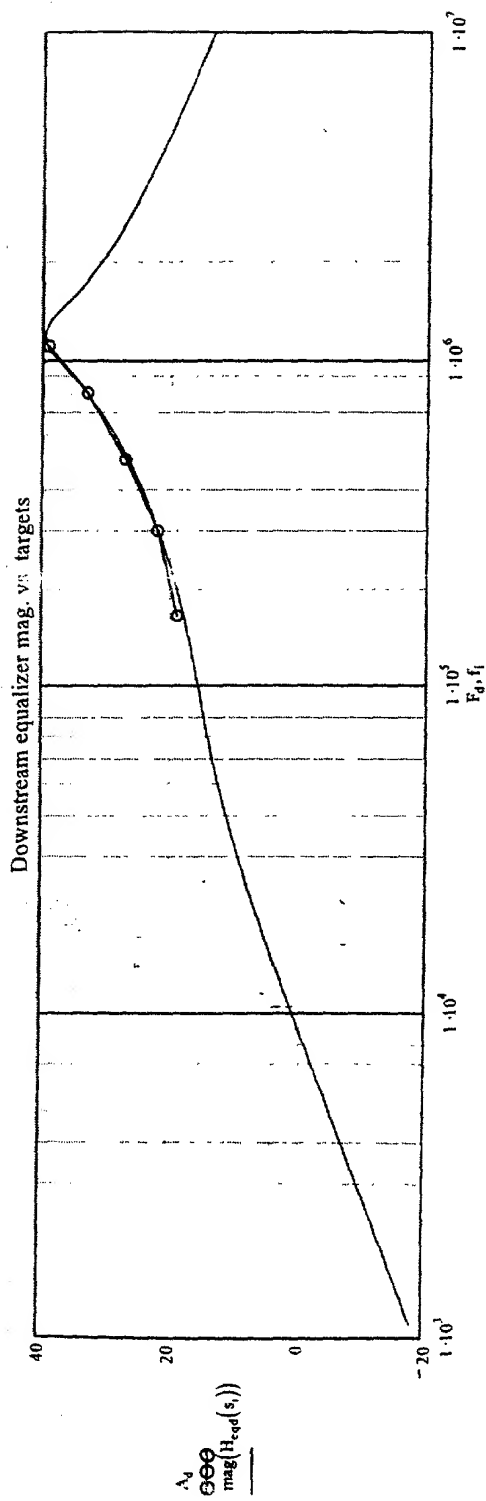


FIG. 17

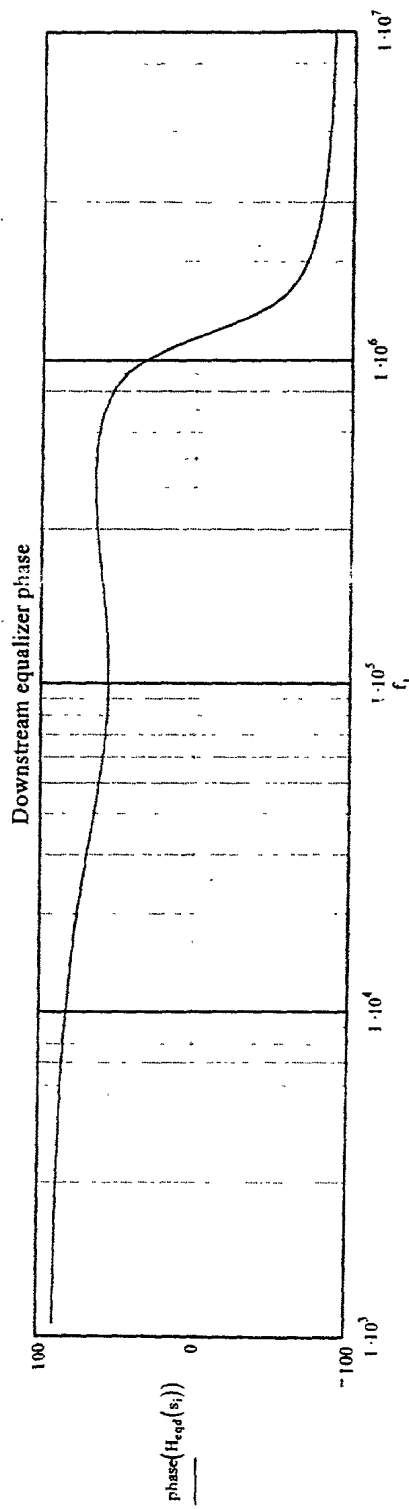
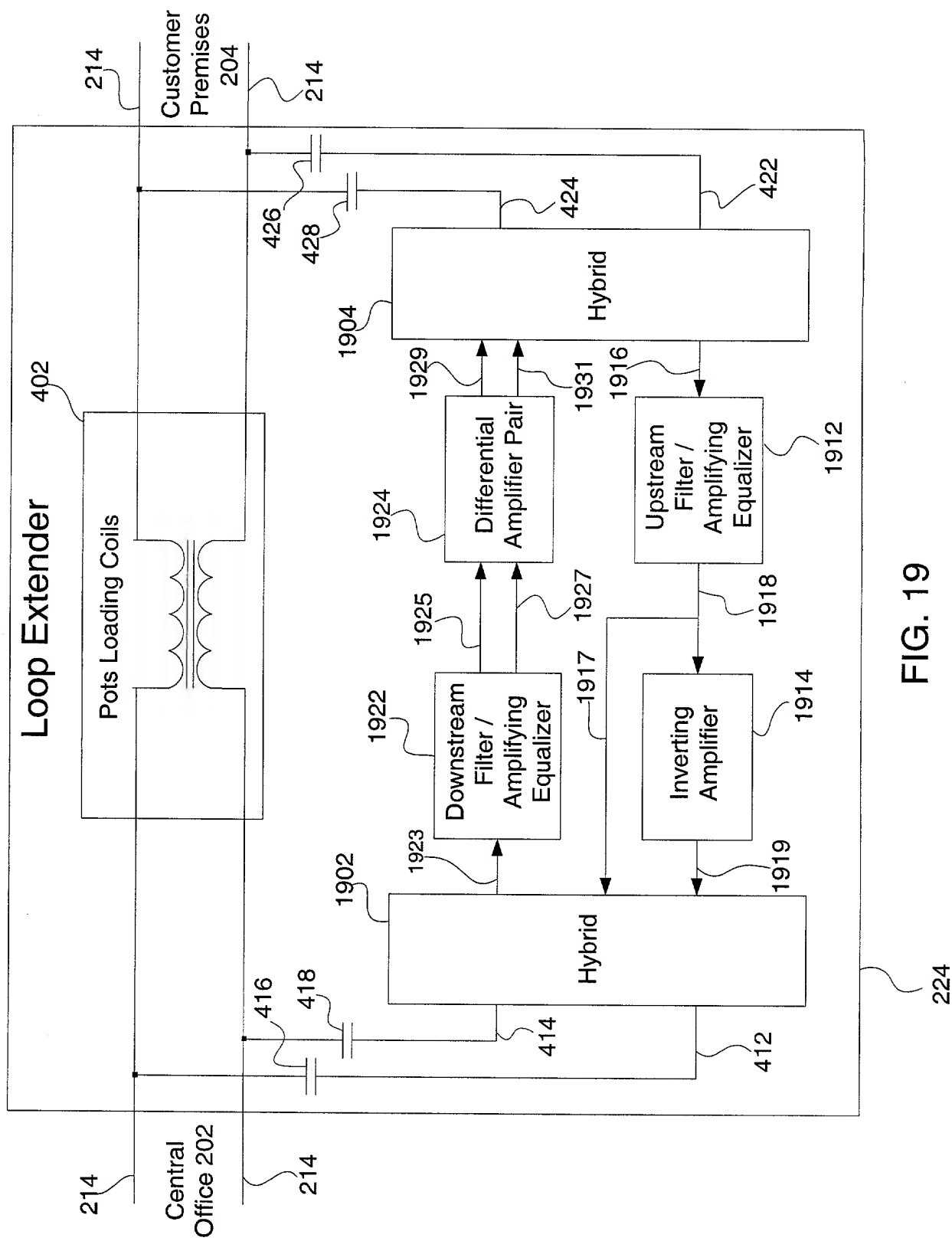


FIG. 18



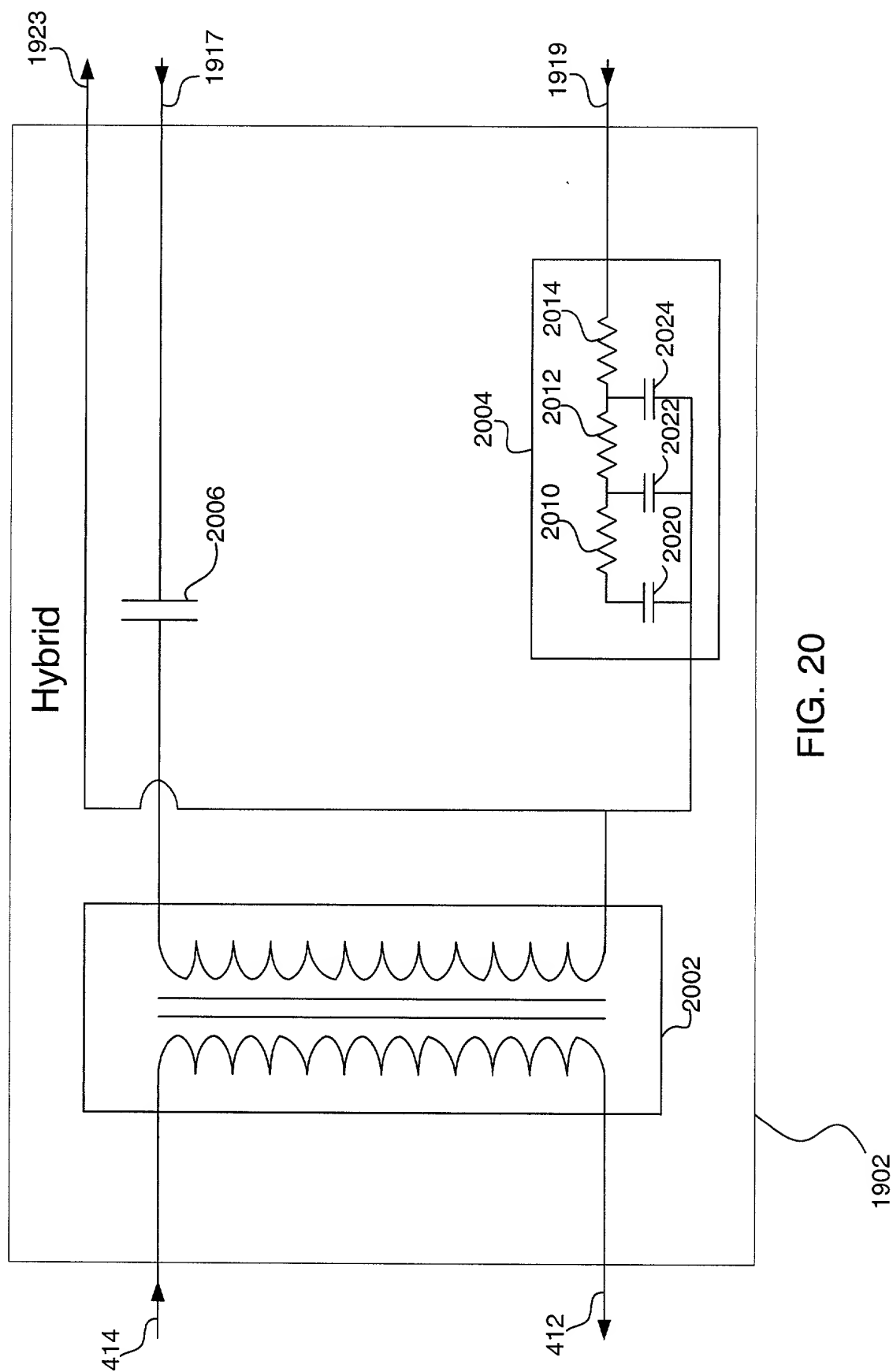


FIG. 20

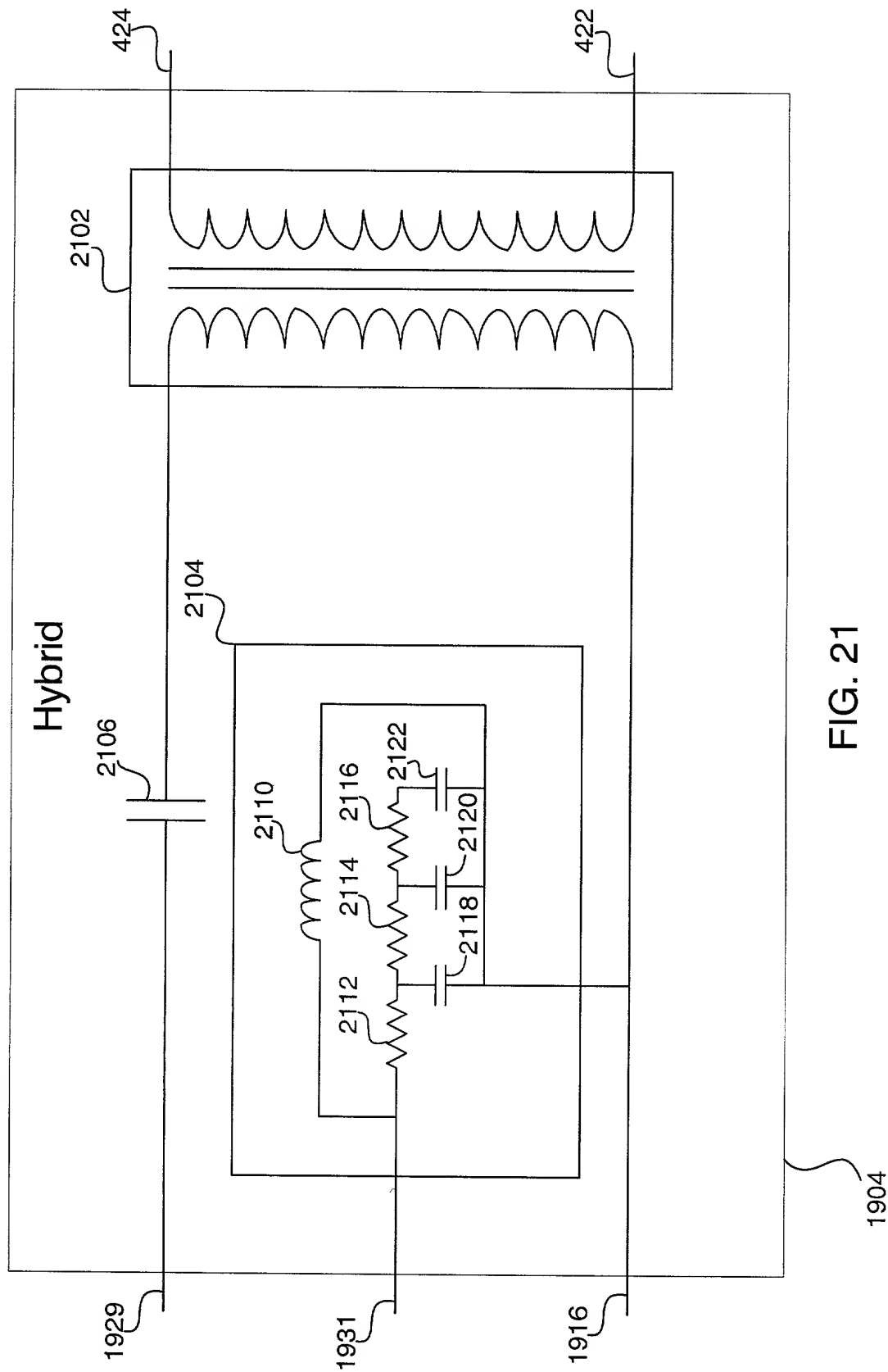


FIG. 21

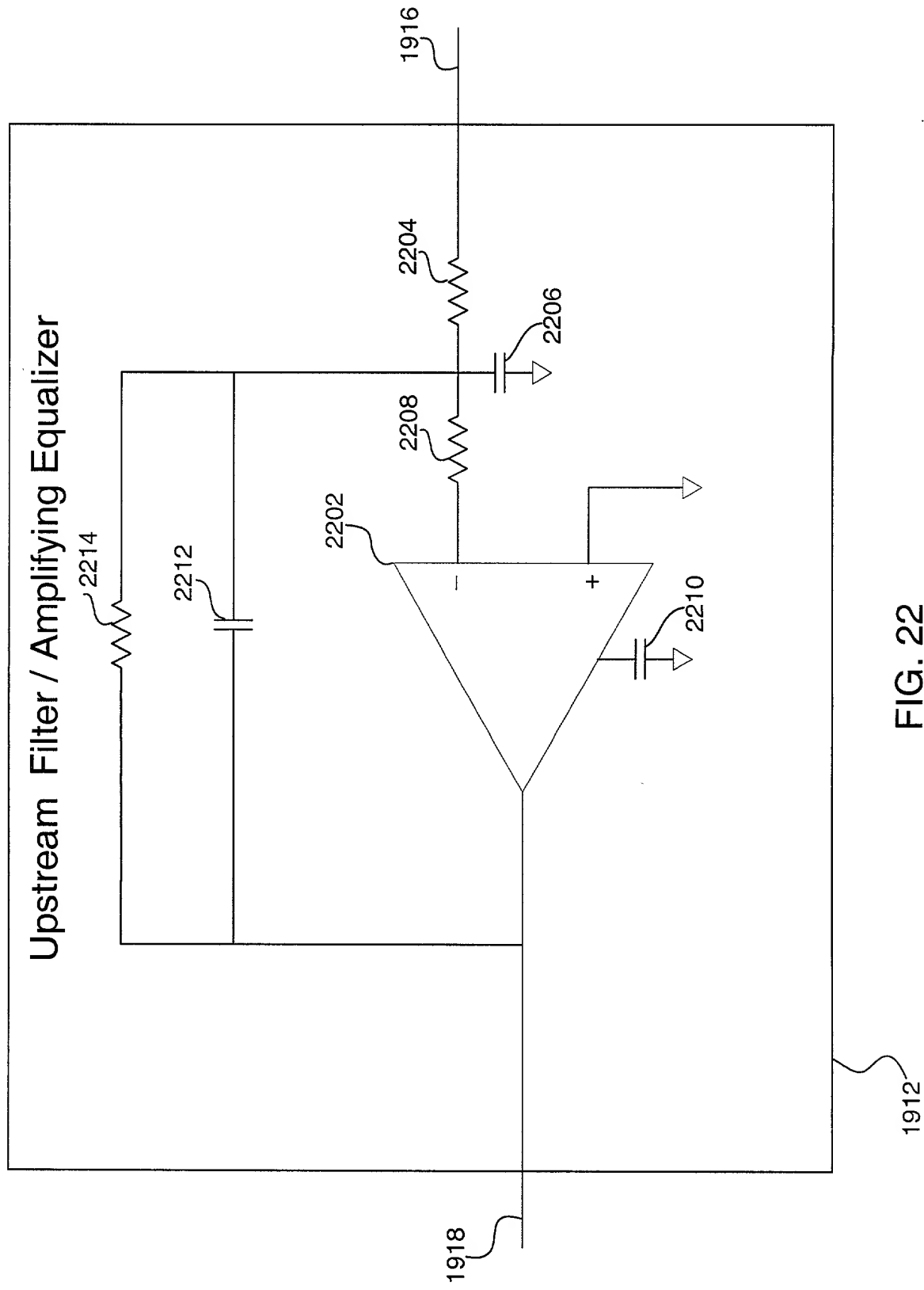


FIG. 22



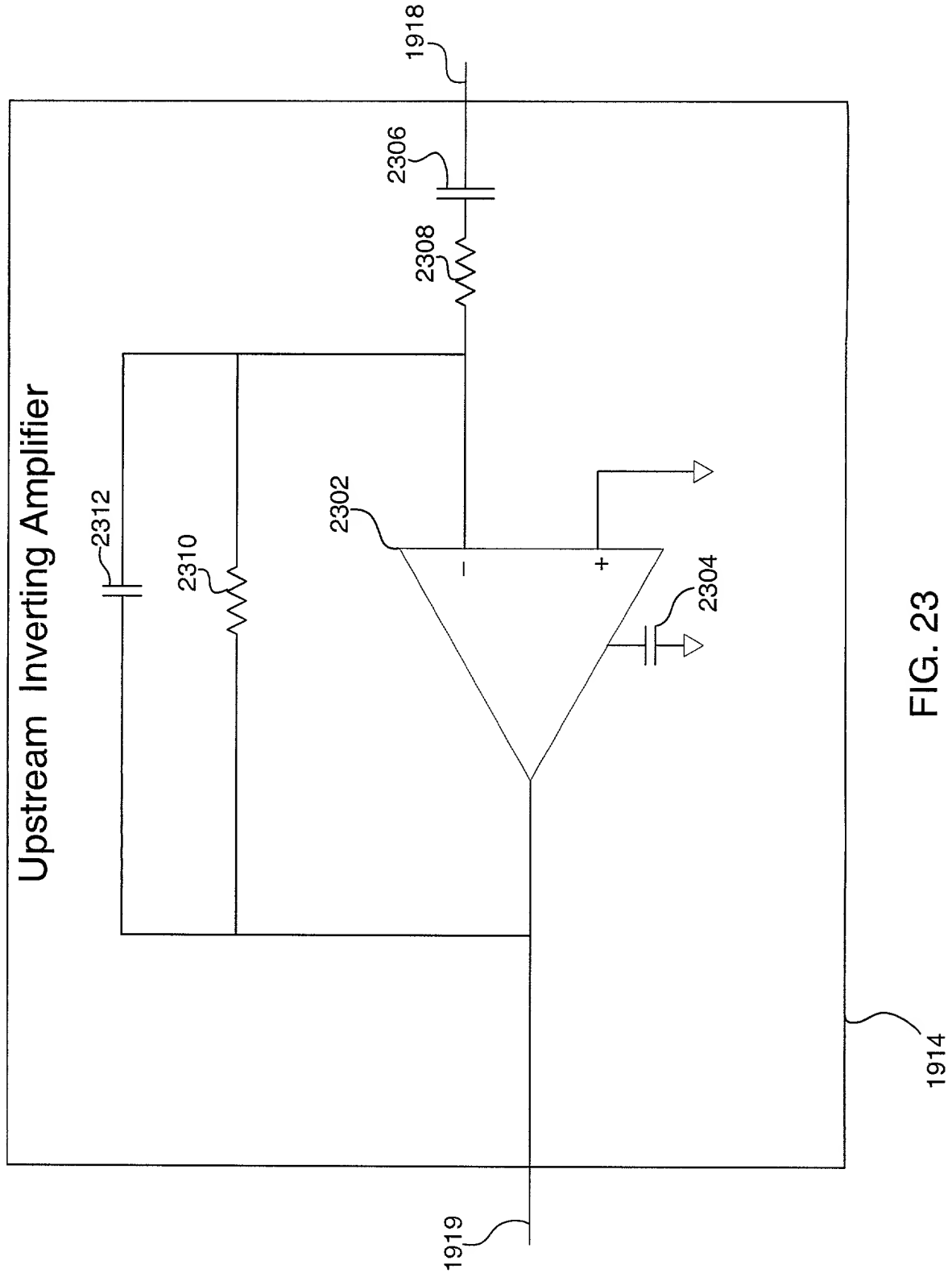


FIG. 23

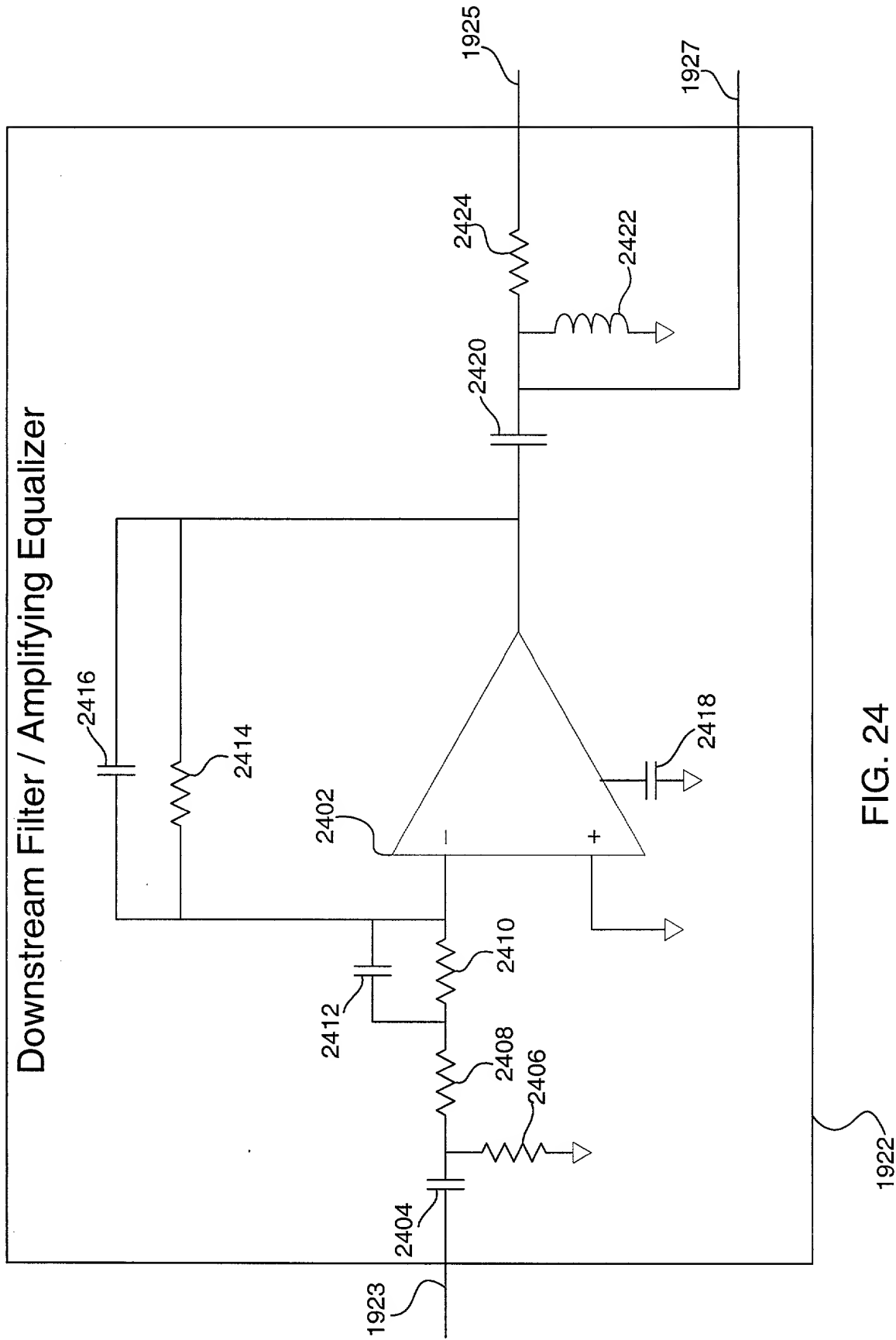


FIG. 24

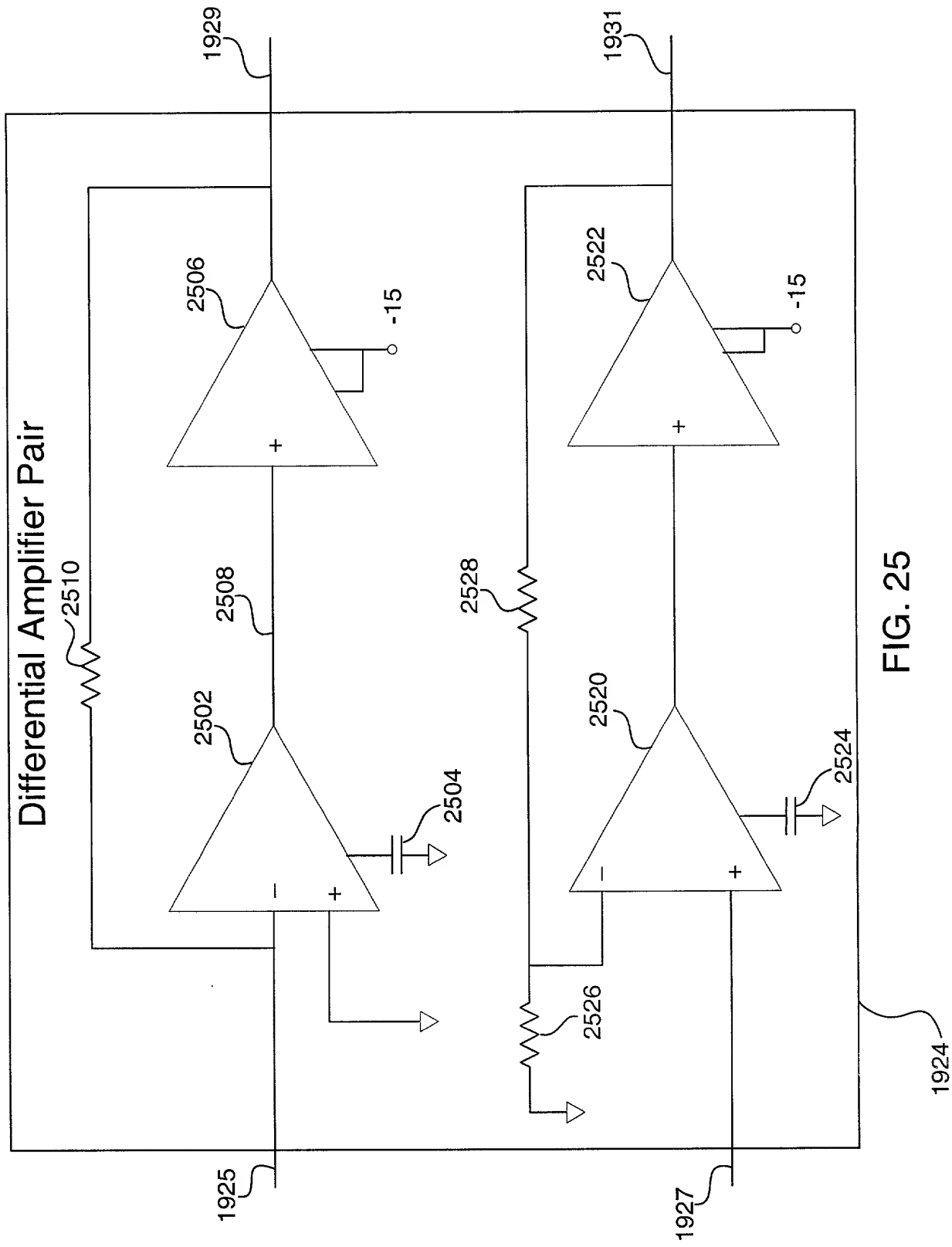


FIG. 25

target: 6.371 7.374 8.754 7.48 5.935

actual:

5.4 7.1 8.1 8.5 8.7

$$\frac{A_u + G_u}{\text{mag}(H_{\text{equ}}(F_u \cdot 2 \cdot \pi \cdot j))} =$$

